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मानक

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IS 10264 (1982): Trolley, Hot Food, for Hospital and Industrial Canteens [MHD 12: Hospital Equipment]



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“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

# SPECIFICATION FOR TROLLEY, HOT FOOD, FOR HOSPITAL AND INDUSTRIAL CANTEENS

**1. Scope** — This standard prescribes the requirements for shelves type hot food trolley used for hospitals and catering establishments for carrying food in warm conditions.

## 2. Material

**2.1 Steel Angles for Frame** — Structural steel as per IS : 226-1975 'Specification for structural steel (standard quality) (fifth revision) '.

**2.2 Inside Panels** — Aluminium or stainless steel as per IS : 737-1974 'Specification for wrought aluminium and aluminium alloys, sheet and strip (for general engineering purposes) (second revision) ' or IS : 6911-1972 'Specification for stainless steel plate sheet and strip ' respectively.

**2.3 Outside Panels** — Mild steel, stainless steel or aluminium as per the relevant Indian Standards.

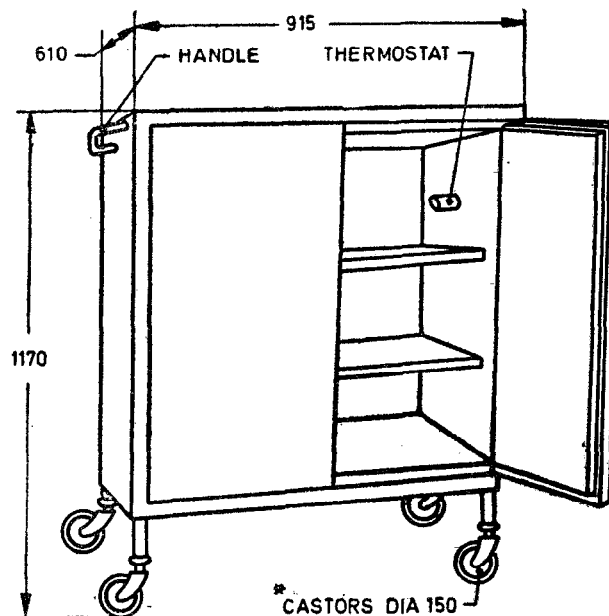
**2.4 Glass wool** of minimum 25 mm thickness.

**2.5 Castors** — Conforming to IS : 4034-1979 'Specification for castors for hospital equipment' (first revision).

**2.6 Handles** — Aluminium or stainless steel as per the relevant Indian Standards.

**2.7 Shelves** — Aluminium or stainless steel as per the relevant Indian Standards.

**3. Shape and Dimensions** — As shown in Fig. 1.



\*See IS : 3034-1979 Castors for hospital equipment (first revision).

All dimensions in millimetres.

FIG. 1 TROLLEY, HOT FOOD, TRAY TYPE

## 4. Manufacture

**4.1 Handles** — Handles of suitable shape and size shall be provided for manoeuverability.

**4.2 Frame** — The frame shall be rigid and sturdy in construction.

**4.3 Insulation** — All four sides and top shall be suitably insulated with 25 mm glass wool.

**4.4** The trolley shall be provided with shelves as per the requirement of the purchaser. The shelves shall be adjustable.

**4.5 Electrical Load** — Suitable electrical heating elements (See IS : 4159-1976 'Specification for mineral filled sheathed heating elements (first revision)') shall be fitted at a suitable place for heating and covered with protective sheet. Protective sheet shall be of the same materials as the inside panels. A flexible cord with 15A plug shall be provided with the equipment. The plug shall be in accordance with IS : 1293-1967 'Specification for three-pin plugs and socket-outlets (first revision)'.

**4.6** The trolley shall satisfy the safety requirements as per IS : 302-1979 'General and safety requirements for household and similar electrical appliances (fifth revision)'. In addition the trolley shall be fitted with bumper guards for protection against shock.

**4.7 Door** — Doors shall be insulated from inside like the main body.

**4.8 Thermostat** — A bimetallic thermostat shall be provided inside the trolley to maintain the temperature at 80°C or the desired temperature. The thermostat shall satisfy the requirements as per IS : 4165-1967 'Specification for thermostat for general purpose electric ovens'.

**4.9** Two indicating lamps shall be provided, one to indicate the 'Mains On' and other for the 'Heaters On'.

**5. Instruction Manual** — An instruction manual shall be provided with each equipment indicating in detail the operation and maintenance of the equipment.

**6. Marking** — Each trolley shall have a name plate or label affixed to it showing the manufacturer's name, initials or recognized trade-mark, type of trolley and electric rating.

**6.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

**7. Packing** — As agreed to between the manufacturer and the purchaser.